

National Congestion Tables

Table 1. What Congestion Means to You, 2017

Urban Area	Yearly Delay per Auto Commuter		Travel Time Index		Excess Fuel per Auto Commuter		Congestion Cost per Auto Commuter	
	Hours	Rank	Value	Rank	Gallons	Rank	Dollars	Rank
Very Large Average (15 areas)	83		1.35		32		1,580	
Los Angeles-Long Beach-Anaheim CA	119	1	1.51	1	35	4	2,440	1
San Francisco-Oakland CA	103	2	1.50	2	45	1	2,390	2
Washington DC-VA-MD	102	3	1.35	7	38	2	1,840	3
New York-Newark NY-NJ-CT	92	4	1.35	7	38	2	1,780	4
Boston MA-NH-RI	80	6	1.30	19	31	7	1,440	8
Seattle WA	78	7	1.37	5	31	7	1,410	9
Atlanta GA	77	8	1.30	19	31	7	1,510	5
Houston TX	75	9	1.34	11	31	7	1,380	10
Chicago IL-IN	73	10	1.32	16	30	12	1,310	11
Miami FL	69	12	1.31	17	34	5	1,289	12
Dallas-Fort Worth-Arlington TX	67	13	1.26	23	25	20	1,160	18
San Diego CA	64	16	1.35	7	24	27	1,440	7
Philadelphia PA-NJ-DE-MD	62	18	1.25	25	26	15	1,100	22
Phoenix-Mesa AZ	62	18	1.27	22	26	15	990	30
Detroit MI	61	20	1.24	28	25	20	1,030	25

Very Large Urban Areas—over 3 million population.

Large Urban Areas—over 1 million and less than 3 million population.

Yearly Delay per Auto Commuter—Extra travel time during the year divided by the number of people who commute in private vehicles in the urban area.

Travel Time Index—The ratio of travel time in the peak period to the travel time at free-flow conditions. A value of 1.30 indicates a 20-minute free-flow trip takes 26 minutes in the peak period.

Excess Fuel Consumed—Increased fuel consumption due to travel in congested conditions rather than free-flow conditions.

Congestion Cost—Value of travel time delay (estimated at \$18.29 per hour of person travel and \$54.94 per hour of truck time) and excess fuel consumption (estimated using state average cost per gallon for gasoline and diesel). Values are rounded to nearest \$10; ranking based on calculated value. But see Note below.

Note: Please do not place too much emphasis on small differences in the rankings. There may be little difference in congestion between areas ranked (for example) 6th and 12th.

The actual measure values should also be examined. The best congestion comparisons are made between similar urban areas.

Medium Urban Areas—over 500,000 and less than 1 million population.

Small Urban Areas—less than 500,000 population.

Table 1. What Congestion Means to You, 2017, Continued

Urban Area	Yearly Delay per Auto Commuter		Travel Time Index		Excess Fuel per Auto Commuter		Congestion Cost per Auto Commuter	
	Hours	Rank	Value	Rank	Gallons	Rank	Dollars	Rank
Large Average (32 areas)	54		1.24		22		\$950	
San Jose CA	81	5	1.45	3	32	6	1,500	6
Riverside-San Bernardino CA	70	11	1.34	11	20	47	1,180	16
Austin TX	66	14	1.34	11	25	20	1,270	13
Portland OR-WA	66	14	1.35	7	31	7	1,190	15
Denver-Aurora CO	61	20	1.31	17	25	20	1,060	23
Baltimore MD	59	22	1.25	25	22	32	960	32
Sacramento CA	59	22	1.28	21	24	27	1,020	26
Nashville-Davidson TN	58	24	1.22	33	26	15	1,110	20
San Juan PR	58	24	1.33	15	28	14	1,170	17
Charlotte NC-SC	57	28	1.22	33	22	32	1,160	19
Orlando FL	57	28	1.24	28	22	32	1,010	29
Minneapolis-St. Paul MN-WI	56	31	1.25	25	18	63	890	35
Cincinnati OH-KY-IN	52	32	1.17	49	25	20	1,010	27
Las Vegas-Henderson NV	51	34	1.26	23	20	47	850	41
San Antonio TX	51	34	1.23	30	22	32	880	38
Columbus OH	50	37	1.19	41	21	41	960	31
Oklahoma City OK	50	37	1.19	41	21	41	770	48
Tampa-St. Petersburg FL	50	37	1.22	33	20	47	900	34
Indianapolis IN	48	42	1.18	45	22	32	740	56
Memphis TN-MS-AR	48	42	1.18	45	18	63	590	87
Providence RI-MA	48	42	1.17	49	19	55	760	53
Kansas City MO-KS	47	46	1.15	71	15	84	760	50
Cleveland OH	46	47	1.15	71	23	29	890	36
Jacksonville FL	46	47	1.19	41	15	84	810	44
Louisville-Jefferson County KY-IN	46	47	1.18	45	18	63	660	74
Milwaukee WI	46	47	1.17	49	23	29	790	46
Pittsburgh PA	46	47	1.19	41	21	41	830	42
St. Louis MO-IL	46	47	1.15	71	19	55	820	43
Virginia Beach VA	46	47	1.17	49	15	84	690	66
Salt Lake City-West Valley City UT	45	55	1.18	45	25	20	760	51
Raleigh NC	42	67	1.17	49	16	77	730	57
Richmond VA	35	90	1.12	93	17	68	580	88

Large Urban Areas—over 1 million and less than 3 million population.

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Medium Average (32 areas)	44		1.18		19		\$750	
Honolulu HI	64	16	1.40	4	29	13	1,260	14
New Orleans LA	58	24	1.23	30	26	20	1,100	28
Baton Rouge LA	58	24	1.36	6	25	15	1,010	21
Bridgeport-Stamford CT-NY	57	28	1.34	11	22	32	910	33
Tucson AZ	52	32	1.21	37	20	47	760	52
Charleston-North Charleston SC	51	34	1.23	30	22	32	870	39
Hartford CT	50	37	1.17	49	20	47	800	45
Albany-Schenectady NY	49	41	1.17	49	21	41	670	71
Buffalo NY	48	42	1.16	61	23	29	880	37
Tulsa OK	46	47	1.15	71	17	68	670	73
New Haven CT	45	55	1.16	61	18	63	700	63
Albuquerque NM	44	59	1.20	39	20	47	860	40
Columbia SC	44	59	1.15	71	19	55	700	65
Knoxville TN	44	59	1.13	83	18	63	770	48
Colorado Springs CO	43	63	1.15	71	19	55	720	59
El Paso TX-NM	41	70	1.16	61	17	68	720	58
Grand Rapids MI	41	70	1.13	83	16	77	650	77
Springfield MA-CT	41	70	1.12	93	19	55	660	74
Birmingham AL	40	75	1.13	83	16	77	750	55
Fresno CA	40	75	1.16	61	19	55	710	60
Rochester NY	40	75	1.16	61	20	47	700	62
Toledo OH-MI	40	75	1.14	80	21	41	690	67
Allentown PA-NJ	38	80	1.20	39	16	77	600	86
McAllen TX	38	80	1.16	61	13	93	640	81
Omaha NE-IA	38	80	1.17	49	17	68	620	84
Akron OH	37	86	1.10	99	17	68	620	83
Cape Coral FL	37	86	1.17	49	14	90	670	71
Wichita KS	36	89	1.14	80	16	77	460	96
Sarasota-Bradenton FL	33	92	1.16	61	14	90	550	92
Dayton OH	32	93	1.12	93	13	93	550	93
Provo-Orem UT	25	98	1.11	96	15	84	430	99
Bakersfield CA	24	99	1.13	83	10	98	460	96

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Small Average (22 areas)	37		1.14		16		\$620	
Boise ID	45	55	1.16	61	20	47	700	61
Spokane WA	45	55	1.16	61	26	15	770	47
Boulder CO	44	59	1.21	37	22	32	700	63
Little Rock AR	43	63	1.13	83	14	90	680	68
Pensacola FL-AL	43	63	1.17	49	16	77	600	85
Worcester MA-CT	43	63	1.14	80	17	68	750	54
Anchorage AK	42	67	1.22	33	22	32	1,050	24
Jackson MS	42	67	1.13	83	13	93	630	82
Beaumont TX	41	70	1.13	83	16	77	660	76
Salem OR	41	70	1.15	71	21	41	680	70
Eugene OR	40	75	1.17	49	19	55	650	79
Corpus Christi TX	38	80	1.13	83	17	68	680	69
Greensboro NC	38	80	1.13	83	15	84	580	89
Madison WI	38	80	1.15	71	17	68	580	90
Poughkeepsie-Newburgh NY-NJ	37	86	1.11	96	19	55	560	91
Oxnard CA	34	91	1.16	61	11	97	650	78
Laredo TX	32	93	1.17	49	15	84	540	94
Stockton CA	32	93	1.15	71	17	68	640	80
Brownsville TX	29	96	1.13	83	12	96	520	95
Winston-Salem NC	27	97	1.11	96	10	98	450	98
Lancaster-Palmdale CA	21	100	1.10	99	6	101	370	101
Indio-Cathedral City CA	14	101	1.10	99	7	100	400	100
101 Area Average	66		1.28		26		\$1,210	
Remaining Areas Average	22		1.11		10		\$490	
All 494 Area Average	54		1.23		21		\$1,010	

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